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PATENTS
1404/95
01/3/95

Case Docket No. 7913ZAZY

In re Application of Donald R. Huffman et al.

Serial No. 08/236,933

Filed: May 2, 1994

For: NEW FORM OF CARBON

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application.

☒ Please charge Deposit Account No. 19-3886 in the amount of \$ 210.00. A duplicate copy of this sheet is attached.

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☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 19-3886. A duplicate copy of this sheet is attached.

☒ Any fee under 37 C.F.R. §1.17(i)(1) or §1.17(p) which may be required by this communication but which was not submitted herewith.

Respectfully submitted,

Mark J. Cohen
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Dated: August 31, 1995

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Donald R. Huffman et al. Docket: 7913ZAZY
Serial No.: 08/236,933 Art Unit: 1103
Filed: May 2, 1994 Examiner: P. DiMauro
For: NEW FORM OF CARBON Dated: August 31, 1995

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

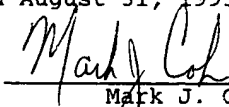
In accordance with the provisions of 37 C.F.R. §§1.56, 1.97 and 1.98, applicants, in order to meet their duty of disclosure, are making a record herein of art for consideration by the United States Patent and Trademark Office. This art excludes the documents that were cited in the Form PTO-892, attached to the Office Action dated December 19, 1994. This art is specifically listed on the accompanying PTO-1449 form and is listed hereinbelow:

U.S. Patent No. 4,132,671
U.S. Patent No. 3,317,354
U.S. Patent No. 4,922,827
U.S. Patent No. 5,132,105
U.S. Patent No. 4,915,977
U.S. Patent No. 4,767,608
UK Patent Appln. No. GB 2 101 983 A
Japanese Patent Appln. No. 2-160696

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20321 on August 31, 1995.

Dated: August 31, 1995



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Japanese Patent Appln. No. 2-221194

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Zhang et al., Reactivity of Large Carbon Clusters: Spheroidal Carbon Shells Their Possible Relevance to the Formation and Morphology of Soot, The Journal of Physical Chemistry, Volume 90, Number 4, February 13, 1986, pp. 525-528

The present application is a continuation of 07/855,959 filed March 23, 1992, which is a continuation of 07/781,549, filed October 22, 1991 which is a divisional of 07/580,246, filed September 10, 1990, which is a C-I-P of 07/575,254 filed August 30, 1990. Applicants are relying upon each of the above-identified applications for an earlier filing date under 35 U.S.C. §120.

Much of the art listed hereinabove and in the accompanying PTO-1449 form was made of record in at least one of the parent applications identified hereinabove, and in accordance with MPEP §609, all of those references should have been examined by the USPTO when examining this application. Nevertheless, applicants wish the above-identified art to be printed on the patent, and are thus resubmitting information cited in parent applications on the accompanying PTO-1449 form.

Inasmuch as a copy of much of the art listed hereinabove and in the accompanying PTO-1449 has already been submitted in one of the above-identified applications, in accordance with 37 C.F.R. §1.98(d), applicants are not forwarding a copy of these references. Accordingly, applicants are enclosing a copy of only that which is newly cited.

Most of the art enclosed herewith is in the English language. However, a few are not in English. In accordance with 37 C.F.R. §1.98(a)(3) a concise explanation of the relevance, as it is presently understood, is summarized hereinbelow.

Keller, in GIT Fachz Lab., 1987, 31, 618-623 discloses that the irradiation by intense laser light of their graphite foils causes the vaporization of carbon fragments which can be identified by mass spectroscopy. According to the author, the mass spectrum indicates that C60 possesses special stability. The article confirms the stability of the C60 since there was practically no reaction of C60 with, inter alia, gaseous NO, SO₂ and NH₃.

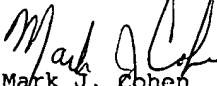
Anales Astrophysic, "Etude De Poussieres De Fer et De Carbone," J. Lefevre, Tome 30, Annee, 1967, Fasc 4, pp. 731-738, discloses that carbon and ion grains have been produced in argon arc discharge. The article discloses that the grains are associated in chain-like structures.

The other two references not in the English language, JO 2221-194A and JO 2160-696, have abstracts in the English language attached thereto.

Consideration of the Information Disclosure Statement is respectfully requested since the art provided may be material

to the examination of the present application, as defined in 37
C.F.R. §1.56(a).

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